

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Toshio MIYATA et al. : **Mail Stop: PCT**  
Serial No. 10/581,255 : Attorney Docket No. 2006\_0834A  
Filed May 31, 2006 :  
INHIBITOR OF PROTEIN MODIFICATION  
PRODUCTS FORMATION  
[Corresponding to PCT/JP2004/018038  
Filed December 3, 2004]

THE U.S. PATENT AND TRADEMARK OFFICE  
TO CHECK FOR THE DEPOSIT OF THE  
FEES FOR THE NATIONAL STAGE OF THE  
ACCOUNT NO. 23-0975 TO DEPOSIT

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☐ each U.S. Patent and U.S. Patent application publication;
- ☐ each reference previously cited in the international application PCT/\_\_\_\_\_; and/or
- ☐ each reference previously cited in prior parent application Serial No. \_\_\_\_\_.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

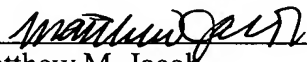
b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
  - b. ☐ a foreign patent office search report (in the English language) submitted herewith,
  - c. ☒ the concise explanation contained in the specification of the present application at pages 1 and 14,
  - d. ☐ the concise explanation set forth in the attached English language abstract,
  - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☐ A foreign patent office search report citing one or more of the references is enclosed.
6. ☐ Statement Under 37 CFR 1.704(d)

Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign Patent Office in a counterpart application, and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

Toshio MIYATA et al.

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July 19, 2006

## INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AB	00/10606	03/2000	WO			

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AD	Maillard, L. C. et al., "Compt. Rend. Soc. Biol.", 1912, Vol. 72, p599
	AD	Miyata, T. et al., "Kidney Int.", 1999, Vol.55, p389-399
	AE	Esterbauer, H. et al., "Free Radic. Biol Med.", 1991, Vol.11, p81-128
	AF	Anderson, M. M. et al., "J Clin. Invest.", 1997, Vol.99(3), p424-432
	AG	Sell, D. R. et al., "J. Biol. Chem." 1989, Vol.264(36), p21597-21602
	AH	Nakamura, K. et al., "J. Chem. Soc. Chem. Commun.", 1992, Vol.15, p992-994
	AI	Hayase, F. et al., "Biosci. Biotech. Biochem.", 1994, Vol.58(10), p1936-1937
	AJ	Njoroge, F. G. et al., "Carbohydr. Res.", 1987, Vol.167, p211-220
	AK	Ahmed, M. U. et al., "J. Biol. Chem.", 1986, Vol.261(11), p4889-4894
	AL	Hayase, F. et al., "Biosci. Biotech. Biochem.", 1995, Vol.59(8), p1407-1411

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	BB	Ahmed, M. U.et al., "Biochem. J.", 1997, Vol.324, p565-570					
	BC	Brinkmann, E.et al., "J. Chem. Soc. Perkin. Trans. 1", 1995, p2817-2818					
	BD	Wells-Knecht, K. J.et al., "J. Org. Chem.", 1995, Vol.60, p6246-6247					
	BE	Nagaraj, R. H.et al., "J. Biol. Chem.", 1996, Vol.271(32), p19338-19345					
	BF	Shipanova, I. N.et al., "Arch. Biochem. Biophys.", 1997, Vol.344(1), p29-36					
	BG	Neeper, M.et al., "J. Biol. Chem.", 1992, Vol.267(21), p14998-15004					
	BH	Suzuki, H.et al., "Nature", 1997, Vol.386, p292-296					
	BI	Vlassara, H.et al., "Molecular Medicine", 1995, Vol.1(6), p634-646					
	BJ	Lander, H. M.et al., "J. Biol. Chem.", 1997, Vol.272(28), p17810-17814					
	BK	Chappey, O.et al., "Eur. J. Clin. Invest.", 1997, Vol.27, p97-108					
	BL	Yamagishi, S.et al., "Biochem. Biophys. Res. Commun.", 1995, Vol.213(2), p681-687					

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	CK	Yamagishi, S.et al., "FEBS Lett.", 1996, Vol.384, p103-106					
	CC	Doi, T.et al., "Proc. Natl. Acad. Sci. USA", 1992, Vol.89, p2873-2877					
	CD	Horie, K. et al., "J. Clin. Invest.", 1997, Vol.100(12), p2995-3004					
	CE	Sugimoto, K.et al., "Diabetologia", 1997, Vol.40, p1380-1387					
	CF	Park, L.et al., "Nat. Med.", 1998, Vol.4(9), p1025-1031					
	CG	Miyata, T.et al., "J. Clin. Invest.", 1993, Vol.92, p1243-1252					
	CH	Smith, M. A.et al., "Proc. Natl. Acad. Sci. USA", 1994, Vol.91, p5710-5714					
	CK	Miyata, T.et al., "Biochem. Biophys. Res. Commun.", 1998, Vol.244, p45-49					
	CJ	Makita, Z.et al., "N. Engl. J. Med.", 1991, Vol.325(12), p836-842					
	CK	Bucala, R.et al., "J. Clin. Invest.", 1991, Vol.87, p432-438					
	CL	Vlassara, H.et al., "Proc. Natl. Acad. Sci. USA", 1994, Vol.91, p11704-11708					

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	DB	Miyata, T.et al., "J. of Am. Soc. Nephrol.", 1996, Vol.7(8), p1198-1206
	DC	Sugiyama, S.et al., "J. of Am. Soc. Nephrol.", 1998, Vol.9, p1681-1688
	DD	Witko-Sarsat, V.et al., "Kidney Int.", 1996, Vol.49, p1304-1313
	DE	Canestrari, F.et al., "Acta Haematol.", 1994, Vol.91, p187-193
	DF	Ueda, Y.et al., "Biochem., Biophys. Res. Commun.", 1998, Vol.245, 785-790
	DG	Richard, M. J.et al., "Nephron", 1991, Vol.57, p10-15
	DH	Jadoul, M.et al., "Kidney Int.", 1999, Vol.55, p2487-2492
	DI	Miyata, T.et al., "Kidney Int.", 1997, Vol.51, p1170-1181
	DJ	Ulbricht, R. J.et al., "Fund Appl. Toxic.", 1984, Vol.4, p843-853
	DK	Miyata, T.et al., "Kidney Int.", 2000, Vol.58, p425-435
	DL	Yamada, K.et al., "Clin. Nephrol.", 1994, Vol.42(6), p354-361

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	EB	Miyata, T.et al., "Nephrol. Dial. Transplant.", 1997, Vol.12, p255-258					
	EC	Edelstein, D.et al., "Diabetologia, 1992, Vol.35, p96-97					
	ED	Hammes, H.P.et al., "Proc. Natl. Acad. Sci. USA", 1991, Vol.88, p11555-11558					
	EE	Matsumoto, K. et al., "Biochem. Biophys. Res. Commun.", 1997 Vol.241(2), p352-354					
	EF	Nakamura, S.et al., "Diabetes", 1997, Vol. 46, p895-899					
	EG	Beisswenger, P. J.et al., "Diabetes, 1999, Vol. 48, p198-202					
	EH	Thornalley, P. J. et al., "Endocrinol. Metab.", 1996, Vol.3, p149-166					
	EI						
	EJ						
	EK						
	EL						

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